

Dr. Umesh Kumar

B.E (CE), M.Tech (CE), UGC-NET (Computer Science), Ph.D.
Assistant Professor (I.T),
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Faridabad, Haryana, 121001, India.



Google scholar link:

<https://scholar.google.co.in/citations?user=EhhxHUoAAAAJ&hl=en>

Contact Information

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Personal Particulars

Date of Birth : 01 April, 1984
Nationality : Indian
Gender : Male

Professional Experience

Worked as Assistant System Engineer in Tata Consultancy Services from 05-August-2010 to 12-April-2012.

Currently working as Assistant Professor in J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana since 16-April-2012.

List of Papers

Papers in International Journals

Umesh Kumar, Praveen Kumar and Sapna Gambhir," Analysis and Literature Review of IEEE 802.1x (Authentication) Protocols', International Journal of Engineering and Advanced Technology (IJEAT), ISSN 2249-8958, Vol. 3, No.5, pp. 163-168, June 2014

Umesh Kumar and Jitendar Kumar," A Comprehensive Review of Straggler Handling Algorithms for MapReduce Framework", International Journal of Grid Distribution Computing, Vol.7, No.4, pp. 139-148, ISSN: 2005-4262, 2014
<http://dx.doi.org/10.14257/ijgdc.2014.7.4.13>

Umesh Kumar and Sapna Gambhir," A Literature Review of Security Threats to Wireless Networks", International Journal of Future Generation Communication and Networking, Vol. 7, No. 4 , pp.25-34, ISSN: 2233-7857,2014
<http://dx.doi.org/10.14257/ijfgcn.2014.7.4.03>

Umesh Kumar and Sapna Gambhir, "Secured Authentication Method for Wireless Networks", IOSR Journal of Computer Engineering, e-ISSN: 2278-0661, pp. 01-11, April 2015.

Umesh Kumar and Sapna Gambhir," Device Fingerprint and Mobile Agent based Authentication Technique in Wireless Networks", International Journal of Future Generation Communication and Networking, Vol.11, No. 3, pp.33-48, ISSN: 2233-7857, 2018.

Yojana and Umesh Kumar, "Mobile Agent: A Review", International Journal of Management, Technology and Engineering, Vol. 8, No. 6, pp. 355-364, ISSN: 2249-7455, June 2018.

Ambuj Prakash and Umesh Kumar, "Authentication Protocols and Techniques: A Survey", International Journal of Computer Sciences and Engineering, Vol. 6, No. 6, pp. 1014-1020. E-ISSN: 2347-2693, June 2018.

Yashwant Kumar, Umesh Kumar and Mohit Gambhir, "Security Techniques in Mobile Agents : A Review" , International Journal of Scientific Research in Computer Science, Engineering and Information Technology, vol. 5, no. 2, pp. 996-1003, ISSN: 2456-3307, April 2019.

Umesh Kumar and Sapna Gambhir, "KDFBA: key distribution through fingerprint based authentication using Mobile agent", Multimedia Tools and Applications, vol. 79, pp. 13891–13918, February 2020.
<https://doi.org/10.1007/s11042-020-08614-1>

Papers in International Conference

Chaudhary S., Kumar U., Gambhir S. (2021) Energy-Efficient and Secured Mobile Agent Itinerary Approach in Wireless Sensor Network. In: Favorskaya M., Mekhilef S., Pandey R., Singh N. (eds) Innovations in Electrical and Electronic Engineering. Lecture Notes in Electrical Engineering, vol 661. Springer, Singapore.
https://doi.org/10.1007/978-981-15-4692-1_53

Umesh Kumar and Sapna Gambhir," Study of Various Wireless Security Protocols and Design of Enhanced- WPA2 (e-WPA2)" 6th International Conference on Advanced Computing and Communications Technologies (ICACCT), November 2012.

Kumar U., Gambhir S. (2018) Mobile Agent Based MapReduce Framework for Big Data Processing. In: Aggarwal V., Bhatnagar V., Mishra D. (eds) Big Data Analytics. Advances in Intelligent Systems and Computing, vol. 654. Springer, Singapore, pp. 391-402.

U. Kumar and S. Gambhir, "A novel approach for key distribution through fingerprint based authentication using mobile agent," *2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, 2016, pp. 3441-3445.

Umesh Kumar and Sapna Gambhir," MABFWA: MOBILE AGENT BASED FRAMEWORK FOR WIRELESS AUTHENTICATION", 8th International Conference on Cloud Computing, Data Science & Engineering (Confluence), pp. 219-224, 2018

Papers in National Conference

Umesh Kumar and Sapna Gambhir, "Mobile Agent Technology: Possible Attacks and Security Requirements", National Conference on Emerging Trends in Computer Science and Information Technology, pp. 13-16, January 2015.

Short Term Courses Attended

Sr. No.	Course Name	Date	Duration	Approved By
1	Application of Artificial Intelligence Tools in Power System	19 th to 25 th June 2012	one week	YMCA
2	Emerging Trends in Engineering, Technology and Management	1 st July to 14 th July 2013	Two Weeks	ISTE
3	Free Open Source Application Software	18 March to 21 March 2014	One Week	AICTE
4	Effective Teaching and Research	07 July to 11 July 2014	One Week	ISTE
5	Soft Skills and Personality Development	15 July to 21 July, 2014	One Week	ISTE
6	Emerging Behavioural Aspects in Technical Education	20 th April to 01 st May, 2015.	Two Weeks	AICTE
7	Neural Network using MATLAB	1 st June to 5 th June, 2015	One Week	ISTE
8	Protecting and Exploring IPRs	19 th to 20 th October, 2015	two days	DeitY
9	Artificial Neural Network through ICT	25 th April to 29 th April 2016	One Week	AICTE
10	Environment, Development and Sustainability	04 th July to 08 th July 2016	One Week	AICTE
11	Big Data Analytics & Data/Text Mining using SPSS.	19 th Dec to 24 th Dec 2016	One Week	SPSS, South Asia.
12	Emerging Trends in Computer Science	8 th Jan to 13 th Jan 2018	One Week	TEQIP
13	Graphics & Animation Techniques for Instructional Material Development	11 Feb to 15 Feb 2019	One Week	NITTTR
14	Basics to Advances in Structural Equation Modelling	17 Feb to 21 Feb 2020	One Week	TEQIP

Training attended

Software Testing and Quality Assurance using Borland Suite of Products from 13th January to 17th January 2014 conducted by AlphaBricks Technologies Pvt. Ltd., Pune in Association with Borland.

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